

MAGNAFLUX CORPORATION -- ZL-38 ZYGLO PENETRANT -- 6850-01-263-8225

===== Product Identification =====

Product ID:ZL-38 ZYGLO PENETRANT

MSDS Date:04/10/1986

FSC:6850

NIIN:01-263-8225

Kit Part:Y

MSDS Number: BGRPY

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W. LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:312-867-8000

Emergency Phone Num

:312-867-8000

Preparer's Name:BRUCE C. GRAHAM

CAGE:37676

=== Contractor Identification ===

Company Name:ILLINOIS TOOL WORKS INC MAGNAFLUX DIV

Address:3624 WEST LAKE AVENUE

Box:City:GLENVIEW

State:IL

ZIP:60025

Country:US

Phone:847-657-5300/

CAGE:37676

===== Composition/Information on Ingredients =====

Ingred Name:PARAFFIN OILS(PETROLEUM),C5-C20

CAS:64771-72-8

Fraction by Wt: 20.0%

Other REC Limits:300PPM

Ingred Name:UNIDENTIFIED COMPONENTS

Fraction by Wt: 80.0%

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===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:IRRITATES EYES.
Effects of Overexposure:INHALATION:CAUSES DIZZINESS,DROWSINESS,NAUSEA;
SKIN:LIQUID IRRITATES BY DISSOLVING SKIN OIL; EYES:VAPORS/LIQUID
CAUSES IRRITATION.
Medical Cond Aggravated by Exposure:NOT KNOWN.

===== First Aid Measures =====

First
Aid:INHALATION:REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT,GIE
OXYGEN; SKIN:REMOVE CONTAMINATED CLOTHES.WASH OFF WITH FLOWING
WATER.USE SOOTHING LOTION.IF IRRITATION PERSISTS,GET MEDICAL ATTN;
EYES:IMME DIATELY RINSE/FLUSH WITH COPIOUS AMOUNTOF RUNNING
WATER,AND GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:>200F/>93C
Extinguishing Media:CARBON DIOXIDE,FOAM.
Fire Fighting Procedures:KEEP CONTAI
NERS COOL WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:WHEN INVOLVE IN COMBUSTION,MAY EMIT TOXIC
GASES AT OR ABOVE DECOMPOSITION TEMPERATURE.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE IGNITION SOURCES.SM QTY:WIPE UP OR MOP
UP BUT DO NOT BREATHE VAPORS.PLACE RAGS IN CLOSED DRUMS; LG
QTY:WEAR PERSONAL SAFETY EQUIPMENTS.DIKE AREA FAR AHEAD.ABSORB
LIQUID WITH COMMERCIAL ABSORBEN T.TRANSFER WASTE MATL IN SALVAGE
TANKS.

===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM HEAT SOURCES IN WELL
VENTILATED AREA.AVOID AGAINST PHYSICAL DAMAGE TO CONTAINERS.KEEP
CONTAINERS TIGHTLY CLOSED.
Other Precautions:DO NOT BREATHE VAPORS.DO NOT SMOKE WHILE USING.DO NOT
HEAT ABOVE 130F(54C).AVOID FREQUENT OR PROLONGED SKIN CONTACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR RESPIRATOR WITH CHEMIC

AL CARTRIDGE IF USING

IN POORLY VENTILATED AREA.AVOID BREATHING VAPOR OR SPRAY MIST.

Ventilation:GENERAL VENTILATION TO KEEP BELOW LIMITS OF TLV.

Protective Gloves:NITRILE GLOVES IF USING FREQUENTLY.

Eye Protection:FULL GOGGLES WHEN SPRAYING OR POURING.

Other Protective Equipment:USE IN SPRAY BOOTH OR WHERE VENTILATION IS ADEQUATE TO CARRY VAPORS & OVERSPRAY FROM OCCUPIED AREAS.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.WASH THOROUGHLY AFTER HANDLING.

Suppleme

ntal Safety and Health

ITEM IS A 2 PARTS KIT;UNDER QPL-25135-15 OF MIL-I-25135D,THE KIT OF

TYPE I,METHOD B,LEVEL 4 MAY CONSIST OF ZL-30B,ZL-37,OR ZL-38

PENETRANT & ZE-3 OR ZE-4B EMULSIFIER;SEE PNI D & E FOR EMULSIFIER

DATA ;KEY1:N1;THIS ENTRY DESCRIBES ZL-38; SEE PNI A & B FOR OTHER

QUALIFIED PENETRANTS & PNI D & E FOR EMULSIFIER OF THIS NSN

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:410F/210C

Vapor Pres:1.0

Spec Gravity:0.

92

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GREEN OILY LIQUID.

Percent Volatiles by Volume:5%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE KNONW.

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES.

Hazardous Decomposition Products:EMITS OXIDES OF CARBON AND NITROGEN ON COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods:INCINERATE OR DISPOSE OF AS EPA HAZARDOUS WASTE

D001 (IGNITABLE WASTE),IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,STATE,LOCAL REGULATIONS.

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